

Appln. No. 09/557,980
Amendment dated May 4, 2004
Reply to Office Action of March 4, 2004

Amendments to the Claims:

Please cancel claims 1-15 and add new claims 16-23 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-15: Cancelled.

Claim 16 (New). A system comprising a database distribution apparatus configured to write various types of databases in a portable recording medium and a portable terminal apparatus configured to execute data processing by accessing a database
5 written in the recording medium while the recording medium is set in the terminal apparatus,

a1 the database distribution apparatus comprising:

database storing means for storing a plurality of databases;

identification information memory means for storing

10 identification information corresponding to terminal identification information pre-stored in the portable terminal apparatus while associating the information to a plurality of portable terminal apparatus, respectively and grouping the identification information into a plurality of groups; and

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15 distribution means for, when writing a database to a
plurality of recording mediums to which the databases are
distributed, reading the identification information contained in
a group selected from a plurality of groups, from the
identification information memory means, reading a database to be
20 utilized in a portable terminal device of the selected group, and
writing the read identification information and databases
consecutively to said plurality of recording mediums set in the
portable terminal apparatus, and

the portable terminal apparatus comprising:

25 judging means for, when accessing the database, reading the
identification information written in the recording medium set in
the portable terminal apparatus and judging whether the portable
terminal apparatus contains identification information
corresponding to terminal identification information pre-stored
30 in the portable terminal apparatus itself; and

processing means for executing an accessing process to the
database written in the memory medium when the judgment means
judges that the corresponding identification information is
contained.

Claim 17 (New). The system according to claim 16, wherein

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the database distribution apparatus further comprises:
correspondence storing means for storing correspondence
between the databases and the identification information,
5 respectively,

a' 10 the distribution means further comprising means for
specifying the databases corresponding to the read identification
information based on the correspondence storing means, reading
the specified databases consecutively from the database storing
means, and writing the read databases, while associating them
with the identification information, consecutively to said
plurality of recording mediums set in the portable terminal
apparatus; and

15 the portable terminal apparatus comprising means for
executing the accessing process by the processing means only to a
database corresponding to the identification information judged
to be contained by the processing means.

Claim 18 (New). A database distribution apparatus that
writes various databases to a portable recording medium
comprising:

database storing means for storing a plurality of databases;

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5 identification information memory means for storing
identification information corresponding to terminal
identification information pre-stored in a portable terminal
apparatus while associating the identification information to a
plurality of portable terminal apparatus, respectively, and
10 grouping the identification information into a plurality of
groups;

a' correspondence storing means for storing correspondence
between the databases and the identification information,
respectively,

15 individual designation means for designating an individual
write of a database in a one-to-one correspondence manner in
which only one portable terminal apparatus is allowed to be used;

group designation means for designating a group write of a
database that can be utilized commonly by a plurality of portable
20 terminal apparatus within the group;

first distribution means for, when writing a database to a
recording medium to which the database is distributed by the
individual designation, reading the identification information
corresponding to the portable terminal apparatus in which the
25 recording medium is used, from the identification information
memory means, specifying the database corresponding to the read

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identification information, reading the specified database from the database storing means, and writing the read identification information and databases to the recording medium; and

30 second distribution means for, when writing a database to a plurality of recording mediums to which the database is distributed by the group designation, reading the identification information corresponding to a plurality of portable terminal apparatus contained in the group that uses the recording medium,
35 from the identification information memory means, reading a database to be utilized by said plurality of portable terminal apparatus of the group, and writing the read identification information and database to the recording medium.

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Claim 19 (New). A portable terminal apparatus that executes data processing after accessing a recording medium in which a database is written by a database distribution apparatus, the portable terminal apparatus comprising:

5 judging means for, when accessing the database written in the recording medium, reading one or a plurality of identification information written in the recording medium, comparing the identification information with identification information corresponding to terminal identification information
10 pre-stored in the portable terminal apparatus, and judging

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whether the identification information corresponding to terminal
identification information is contained in the recording medium;
and

processing means for executing an accessing process to the
15 database written in the memory medium when the judging means
judges that the corresponding identification information is
contained.

a' Claim 20 (New). A portable recording medium configured to
be used in the system recited in claim 16.

Claim 21 (New). A portable recording medium configured to
be used in the database distribution apparatus recited in claim
18.

Claim 22 (New). A database distributing method comprising:
distributing various types of databases to a recording
medium;

accessing a database written in the recording medium while
5 the recording medium is set in a portable terminal apparatus;
wherein the step of distributing comprises:
storing a plurality of databases,

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storing identification information corresponding to terminal
identification information pre-stored in the portable terminal
10 apparatus while associating the identification information to a
plurality of portable terminal apparatus, respectively;

grouping the identification information into a plurality of
groups;

reading, when writing a database to a plurality of recording
15 mediums to which the databases are distributed, the
identification information contained in a group selected from
said plurality of groups;

reading a database to be utilized in a portable terminal
device of the selected group; and

20 writing the read identification information and databases
consecutively to a plurality of recording mediums set in the
portable terminal apparatus, and

the accessing the database comprises:

reading, when accessing the database, the identification
25 information written in the recording medium set in the portable
terminal apparatus,

judging whether the portable terminal apparatus contains
identification information corresponding to terminal
identification information pre-stored in the portable terminal
30 apparatus itself; and

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accessing to the database written in the memory medium when the judging judges that the corresponding identification information is contained.

Claim 23 (New). A database distributing method for distributing various databases to a portable recording medium, comprising:

storing a plurality of databases,

5 storing identification information corresponding to terminal identification information pre-stored in a portable terminal apparatus while associating the identification information to a plurality of portable terminal apparatus, respectively;

grouping the identification information into a plurality of
10 groups;

storing correspondence between the databases and the identification information, respectively;

designating an individual write of a database in a one-to-one correspondence manner in which only one portable terminal
15 apparatus is allowed to be used;

designating a group write of a database that can be utilized commonly by a plurality of portable terminal apparatus within the group,

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first distributing, when writing a database to a recording
20 medium to which the database is distributed by the individual
designation, by reading the identification information
corresponding to the portable terminal apparatus in which the
recording medium is used, from identification information memory
means; specifying the database corresponding to the read

25 identification information, reading the specified database from
the database storing means, and writing the read identification
information and databases to the recording medium; and

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second distributing, when writing a database to a plurality
of recording mediums to which the database is distributed by the
30 group designation, by reading the identification information
corresponding to a plurality of portable terminal apparatus
contained in the group that uses the recording medium, from the
identification information memory means, reading a database to be
utilized by said plurality of portable terminal apparatus of the
35 group, and writing the read identification information and
database to the recording medium.